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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/775,290	02/10/2004	Yuan-Hung Liu	TSM03-0649	1174	
25962	7590 08/03/2005		EXAM	EXAMINER	
	MATSIL, L.L.P.		LEE, C.	LEE, CALVIN	
17950 PRES	TON RD, SUITE 1000		ART UNIT	PAPER NUMBER	
DALLAS, I	X 75252-5793		2818		

DATE MAILED: 08/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/775,290	LIU et al.				
Office Action Summary	Examiner	Art Unit				
	Lee, Calvin	2818				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on						
2a) This action is FINAL . 2b) This						
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) Claim(s) 1-60 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-60 are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the Replacement drawing sheet(s) including the correction of the correction in the correction of the correction is objected to by the Example 11).	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati ity documents have been receive ı (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da					

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Docket No: TSM03-0649 LIU et al.

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OFFICE ACTION

Election/Restriction

1. This invention application contains claims directed to four (4) patentably distinct species:

Group A (1-5, 21-25, and 41-45): A composite (coupling) spacer [class 257, subclass 333];

Group B (6-10, 26-30, and 46-50): A method of forming a composite (coupling) spacer
[class 438, subclass 303];

Group C (11-15, 31-35, and 51-55): A flash memory cell [class 257, subclass 315];
Group D (16-20, 36-40, and 56-60): A method of forming a split-gate flash memory cell [class 438, subclass 201].

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Applicant must choose one species from each of Groups A thru B, because of:

- 1) Group A compared to Group B: The composite spacer in Group A can be made in many different methods comprising the method in Group B.
- 2) Group A compared to Group C: The spacer in Group A does not include a floating gate insulating layer over floating gate.
- 3) Group A compared to Group D: The spacer in Group A does not include such step as forming a floating gate insulating over a floating gate.
- 4) Group B compared to Group C: The spacer formation method in Group B lacks disclosing a floating gate insulating layer over floating gate.
- 5) Group B compared to Group D: The spacer formation method in Group B is differed from the cell formation method.
- 6) Group C compared to Group D: The memory cell in Group C can be made in many different methods comprising the method in Group D.

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2. Applicant is advised that a reply to this requirement must include an identification of the

species that is elected consonant with this requirement, and must include an election of the

invention to be examined even though the requirement is traversed (37CFR 1.143).

3. Should applicant traverse on the ground that the species are not patentably distinct,

applicant should submit evidence or identify such evidence now of record showing the species to

be obvious variants or clearly admit on the record that this is the case. If claims are added after the

election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Contact Information

4. Any inquiry concerning this communication from the Examiner should be directed to

Calvin Lee at (571) 272-1896 on Mondays thru Thursdays 6:30-4:30 (EST). If attempts to reach

the examiner by telephone are unsuccessful, Art Unit 2818's Supervisory Patent Examiner David

Nelms can be reached at (571) 272-1787. The central fax number for the organization (where this

application is assigned to) is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system at http://pair-direct.uspto.gov. Should you have

questions on access to the PAIR system, contact the Electronic Business Center at (866) 217-9197.

Calvin Lee

Date: July 27, 2005

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